

## STRUCTURED SPEECH RECOGNITION

### ABSTRACT OF THE DISCLOSURE

- Speech recognition methods, systems, and interfaces are used in the
- 5 generation of medical reports from data in a hierarchically-organized database for the entry and searching of data in a database based on spoken utterances of a user. A workflow function facilitates a series of contexts, typically based on information in a knowledge base, that are used to establish procedural rules and word-mapping databases for each context for word-matching data entry based on
- 10 spoken utterances of a user. The generation of medical reports from the entered medical data provides for searching the database generated using the speech recognition methods. The series of contexts and word-mapping databases are developed using a hierarchically-organized database representation based on knowledge regarding the relationship of data items in the main database.

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